UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



Region 6 Laboratory
Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
hone: (281)983-2100 Fax: (281)983-2248 Phone: (281)983-2100

Final Analytical Report

	Site Name	Oil Trust Fund
	Sample Collection Date	(s) 07/22/10
	Contact	Rich Mayer (6PD-F)
	Report Date	07/26/10
	Project #	10REG211
	Work Order(s)	1007034
Analyses included in this rep	port:	
LC DOSS		
Report Narrative		
DOSS:		
DOSS was not found in t	he samples at or above the	reporting limit.
<u>-</u>	results. The results apply	ity control were followed in the analysis and only to the samples tested. This final report
Reporting limits are adju	sted for sample size and ma	atrix interference.
Report Approvals:		
Richard McMillin Region 6 Laboratory Manag	ger	David Neleigh Region 6 Laboratory Branch Chief

THITED STATES

Please provide a reason for holding:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund	Project Number: 10REG211
Data Management Coordinator: Christy Warren	n / /
Data Management Coordinator Signature	Date
Date Transmitted:/	
Please have the U.S. EPA Project Manager/Officomments or questions.	cer call the Data Management Coordinator at 3-2137 for any
Please sign and date this form below and return	it with any comments to:
Christy Warren Data Management Coordinator Region 6 Laboratory 6MD-HS	
Received by and Date	
Comments:	
The laboratory routinely disposes of samples 90 hold these samples in custody longer than 90 da	days after all analyses have been completed. If you have a need to sys, please sign below.
Signature	Date



Region 6 Laboratory

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T005-1336-100722-SW-1	1007034-01	Liquid	7/22/10 10:30	07/23/10 09:45
T005-2333-100722-SW-1	1007034-02	Liquid	7/22/10 9:55	07/23/10 09:45
T005-2337-100722-SW-1	1007034-03	Liquid	7/22/10 9:15	07/23/10 09:45
T007-SG025-100722-SW-1	1007034-04	Liquid	7/22/10 9:45	07/23/10 09:45
T007-SG026-100722-SW-1	1007034-05	Liquid	7/22/10 10:35	07/23/10 09:45
T007-SG027-100722-SW-1	1007034-06	Liquid	7/22/10 11:20	07/23/10 09:45
T001-2001-100722-SW-1	1007034-07	Liquid	7/22/10 9:45	07/23/10 09:45
T001-2002-100722-SW-1	1007034-08	Liquid	7/22/10 11:15	07/23/10 09:45
T001-2003-100722-SW-1	1007034-09	Liquid	7/22/10 12:00	07/23/10 09:45

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007034-01 Station ID: T005-1336-100722-SW-1

Batch: B0G2301 Date Collected: 07/22/10 Sample Type: Liquid Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	175		101	50-150	07/23/10 07/23/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/23/10 07/23/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007034-02 Station ID: T005-2333-100722-SW-1

Batch: B0G2301 Date Collected: 07/22/10 Sample Volume: 23 ml Sample Type: Liquid

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	175		101	50-150	07/23/10	07/23/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	IJ		20.0	1	07/23/10	07/23/10

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007034-03

Batch: B0G2301 Date Collected: 07/22/10 Sample Volume: 24 ml Sample Type: Liquid

Sample Qualifiers:

Station ID: T005-2337-100722-SW-1

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	176		106	50-150	07/23/10 07/23/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/23/10 07/23/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007034-04

Batch: B0G2301 Sample Type: Liquid Station ID: T007-SG025-100722-SW-1

Date Collected: 07/22/10 Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	186		102	50-150	07/23/10 07/23/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/23/10 07/23/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007034-05

Batch: B0G2301 Sample Type: Liquid

Station ID: T007-SG026-100722-SW-1 Date Collected: 07/22/10

Sample Volume: 27 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	151		102	50-150	07/23/10 07/23/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/23/10 07/23/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007034-06

Batch: B0G2301 Sample Type: Liquid Station ID: T007-SG027-100722-SW-1

Date Collected: 07/22/10 Sample Volume: 36 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	119		107	50-150	07/23/10 07/23/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.7	1	07/23/10 07/23/10

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DOSS by LC/MS/MS

Lab ID: 1007034-07

Batch: B0G2301 Sample Type: Liquid Date Collected: 07/22/10 Sample Volume: 24 ml

Sample Qualifiers:

Station ID: T001-2001-100722-SW-1

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	178		107	50-150	07/23/10 07/23/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/23/10 07/23/10

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Region 6 Laboratory

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DOSS by LC/MS/MS

Lab ID: 1007034-08 Station ID: T001-2002-100722-SW-1

Batch: B0G2301 Date Collected: 07/22/10 Sample Volume: 23 ml Sample Type: Liquid

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	174		100	50-150	07/23/10 07/23/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/23/10 07/23/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS

Lab ID: 1007034-09

Batch: B0G2301 Sample Type: Liquid

Station ID: T001-2003-100722-SW-1 Date Collected: 07/22/10 Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	157		90.0	50-150	07/23/10	07/23/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/23/10	07/23/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0G2301 Sample Type: Liquid

Blank (**B0G2301-BLK1**)

Prepared: 7/23/2010 Analyzed: 7/23/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	186		200	93.1	50-150

Blank (**B0G2301-BLK1**)

Prepared: 7/23/2010 Analyzed: 7/23/2010

Targets

ANALYTE		Analyte Reporting Qualifiers Limit	RPD RPD Limit
Dioctyl sulfosuccinate, sodium	U	20.0	

salt

LCS (B0G2301-BS1)

Prepared: 7/23/2010 Analyzed: 7/23/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	198		200	99.2	50-150

LCS (B0G2301-BS1)

Prepared: 7/23/2010 Analyzed: 7/23/2010

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers Limit	Spike Level	%REC %REC Limits	RPD RPD Limit
Dioctyl sulfosuccinate, sodium salt	101	20.0	101	100 50-150	

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0G2301 Sample Type: Liquid

Matrix Spike (B0G2301-MS1)

Source: 1007034-03 Prepared: 7/23/2010 Analyzed: 7/23/2010

Surrogates

ANALYTE	Result	Analyte	Spike	%REC
	µg/l	Qualifier	Level	%REC Limits
Surr: DOSS-D34	176		174	101 50-150

Matrix Spike (B0G2301-MS1)

Prepared: 7/23/2010 Analyzed: 7/23/2010 Source: 1007034-03

Targets

ANALYTE		Analyte Reporting Qualifiers Limit			%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium	88.6	20.0	87.8	101	50-150		

salt

Matrix Spike Dup (B0G2301-MSD1)

Prepared: 7/23/2010 Analyzed: 7/23/2010 Source: 1007034-03

Surrogates

ANIALNZE	Result	Analyte	Spike	°' DEG	%REC
ANALYTE	μg/l	Qualifier	Level	%REC	Limits
Surr: DOSS-D34	179	_	174	103	50-150

Matrix Spike Dup (B0G2301-MSD1)

Source: 1007034-03 Prepared: 7/23/2010 Analyzed: 7/23/2010

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers Limit			%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	90.9	20.0	87.8	104	50-150	2.56	30

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Environmental Protection Agency

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

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CHAIN OF CUSTODY RECORD

R06_DeepWater_Chalmette Contact Name: Kristie Warr Contact Phone: 713-985-6636

No: T0033-100402-20100722-03

Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137

Lab#	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservativ e	MS/MS D
	T005-1336-100722-SW-1	DOSS	Surface Water	Grab	7/22/2010	10:30	2	40 ml VOA	4 C	N
	T005-2333-100722-SW-1	DOSS	Surface Water	Grab	7/22/2010	09:55	2	40 ml VOA	4 C	N
	T005-2337-100722-SW-1	DOSS	Surface Water	Grab	7/22/2010	09:15	6	40 ml VOA	4 C	Υ
Special	Instructions:						SAMPLES TO CHAIN OF CO		FROM	
Items	Reason Relinquished by	Date Repeive	ed by Date	Time Iter	ms/Reason	Relinquish	ed By Date	7/23/Eceive	d by Date	e Time
	TO H.CH	1.22.10 //4/	7/24/0/6	5:25		DS	7/23/1	lent	A 7-2	3109.
	Out ,	1/22-16/11	1/2/10 2	145		May	A 7-231	Harr	ih 7/23	692
	11911	1/3/10	5 7/23/10	0466						

Sample Temp: 3°C



Region

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Environmental Protection Agency

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CHAIN OF CUSTODY RECORD Site #: R06DW

No: T0033-100403-07/22/10-0247

Contact: Kristie Warr Phone: 713.985.6636 Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137

Lab#	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservativ e	MS/MS D
	T007-SG025-100722-SW-1	DOSS	Surface Water	Grab	7/22/2010	09:45	2	40 ml VOA	4 C	N
	T007-SG026-100722-SW-1	DOSS	Surface Water	Grab	7/22/2010	10:35	2	40 ml VOA	4 C	N
	T007-SG027-100722-SW-1	DOSS	Surface Water	Grab	7/22/2010	11:20	6	40 ml VOA	4 C	Υ
							-			-
				1						

Special Instructions: Sample Coolers Custody Sealed upon receipt.

Special Instructions: Sample Coolers Custody Sealed upon receipt.

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
411	P. Hil. I	7/2/10	led ;	1/2/10	18:25		28	7/23/10	May	7-23-10	92
	011	hal.	Melly	1/2/10	2145		11-0	7-23-10	1 Swal	7/23/	g',
	May 1	7/25/10	On	-/			Mat. H	9145	Harris	10	1.5
- 3	MAL	0400	WS	7/23/10	0400						

Sample Temp: 3°C



Region

6

Laboratory

Environmental Protection Agency

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-224

Fax:(281)983-2248

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Kristie Warr

713-985-6600 US EPA/Weston Venice, LA

Special Instructions

CHAIN OF CUSTODY RECORD

R06 Deep H2O Horizon Reporting Lab: EPA Houston Lab Lab_State: TX

No: T0001-100405-07/22/10-0678

Lab Address: 10625 Fallstone Rd Lab_City: Houston Lab_Zip: 77099

Lab#	Sample #	Analyses	Matrix	Collecti on Method	Collected	Sample Time	Numb Cont	Preservativ e	MS/MS D	Description
	T001-2001-100722-SW-1	DOSS	Surface Water	Grab	7/22/2010	09:45	6	4 C	Y	
	T001-2002-100722-SW-1	DOSS	Surface Water	Grab	7/22/2010	11:15	2	4 C	N	
	T001-2003-100722-SW-1	DOSS	Surface Water	Grab	7/22/2010	12:00	2	4 C	N	

Items/Reason Received by Date Time Items/Reason Relinquished By Date Received by Date

Sample Temp: 1°C

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

Notes and Definitions

Α This sample was extracted at a single acid pH.

HTS Sample was prepared and/or analyzed past recommended holding time. Concentrations should be

considered minimum values.

AES Atomic Emission Spectrometer

CVAA Cold Vapor Atomic Absorption

ECD Electron Capture Detector

GC Gas Chromatograph

GFAA Graphite Furnace Atomic Absorption

ICP Inductively Coupled Plasma

MS Mass Spectrometer

NA Not Applicable

NPD Nitrogen Phosphorous Detector

NR Not Reported

TCLP Toxicity Characteristic Leaching Procedure

Undetected U

Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds per square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

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